

Cscm

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All "Made in SCM Italy"

you will be our guest.





minimax

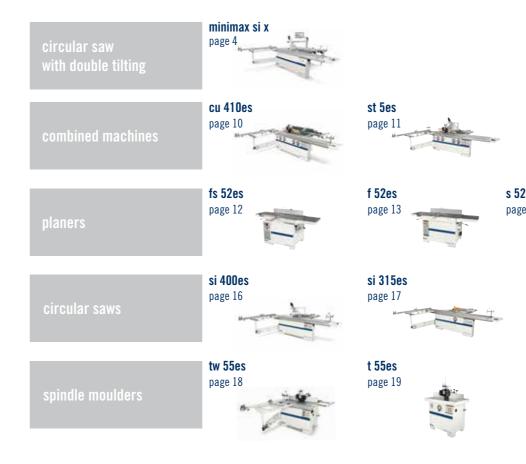
the passion that deserves professional products.

minimax is the line of professional machines for hobbyists and woodworkers, a point of reference for over 40 years worldwide.

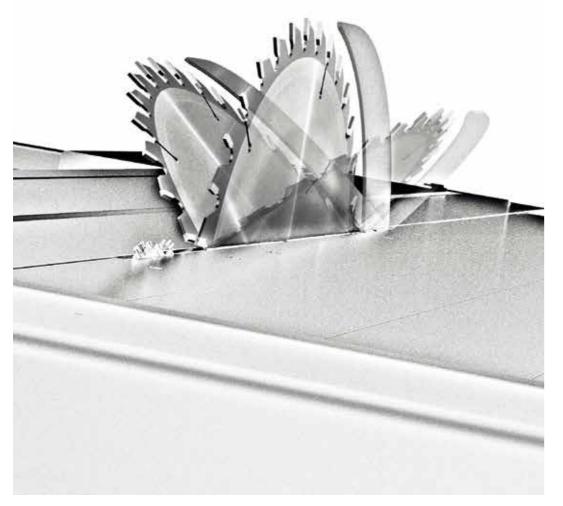
SCM's objective is to guarantee customers high quality technologies which meet their requirements in such a way as to make SCM the partner for any needs.

minimax si x e elite s

Maximum expression of professional performances and technology.



circular saw with double tilting minimax si x



	minimax si x
Max. saw blade diameter with installed scoring unit	mm 400
Max. saw blade projection from the table at 90°/+45°/-45°	mm 136/97/60
Saw blade rotating speed	mm 1270
Squaring stroke	mm 2600 ÷ 3200
Three-phase motor	kW 7
Find the complete technical specification at page 9	





Saw Unit double tilting



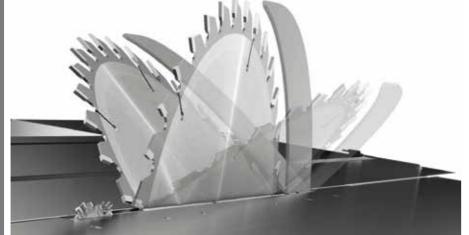
Programmed Movement simple and quick



Ready 3/Ready 3 UP automatic kk positioning

Circular saw with ±46° double tilting sawblade. It allows simultaneous use of a 400 mm saw blade and 160 mm scoring blade both for 90° cutting and ±46° tilted cutting.

minimax si x operating groups

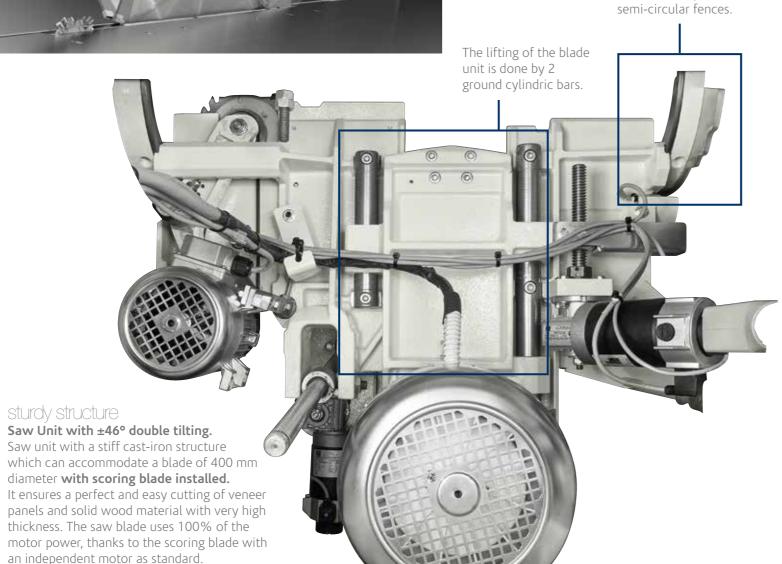


double tilting at everybody's reach

> The ±46° tilting of the unit is done by 2 wide



The scoring blade is adjustable from the outside without tools and allows fast and accurate positioning with no play.





Exceptional accuracy and smoothness to secure the guides it is not used glue, since the thickness could affect sliding.

They are secured with a **procedure** of aluminum riveting.

unrivalled cutting finishing

Sliding Carriage. Optimal support also to larger pieces, with the new sliding carriage, 360 mm wide.

> smooth, rapid and precise positioning

Parallel Fence.

when it isn't used.

Sliding of the parallel fence support on round bar with micrometric adjustment.

The support can be also equipped with digital readout for fence position with detecting system on magnetic band (option). The fence can be easily excluded from the working area

stops can be used to square panels measuring 3200x3200 mm and for tilted cuts at up

frame with an idle roller at the end. The telescopic squaring fence with the inclined metric scale and two reversible

Panel loading is easy on the large squaring

immediate control

Squaring Frame and Fence.

to 45° on both sides of the frame.

6/7■

minimax si x electronic controls

simple and quick

Programmed Movement.

The "Ready" control manages the powered and programmed movement of the saw blade unit increasing productivity and working quality.



minimax si x main optional devices

Ready 3 / Ready 3 UP Automatic positioning of the parallel fence, from "Ready" control (3 axes). Programmed or manual fence movement with a hold-down drive for the maximum versatility. In addition, the Ready 3 UP version has the control on the mobile control panel. (option)

Digital Readout for the Fence Position on the Parallel Fence.

It allows precise positioning with the magnetic strip sensor. (option)

maximum practicality

large dimensioned panels.

Pushbuttons integrated in the Sliding Carriage.

The possibility to start or stop the blades

motors from the pushbuttons located at the ends

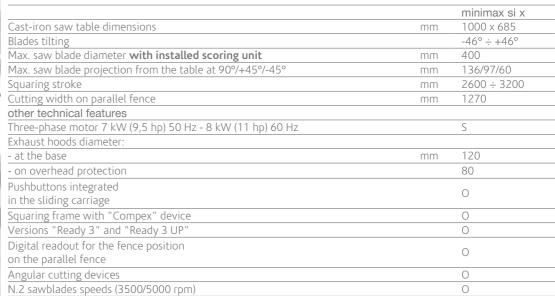
of the carriage considerably helps when machining



to rapidly obtain angular cuttings with automatic self-adjustment of the stops position.



O Option

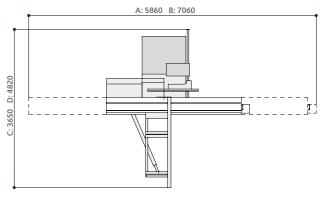


expandable scorin

Manually expandable with variable thickness from 3,5 to 4,5 mm (blade diameter: 160 mm).







with 2600 mm carriage with 3200 mm carriage with manual parallel fence with Ready 3/Ready 3 Up

elite s combined machines

CU 410eS universal combined machine st 5es saw-spindle moulder



		cu 410es	st 5es
Planer useful working width	mm	410	-
Total length of surfacing tables	mm	2200	-
Max. saw blade diameter with scoring blade installed	mm	350	350
Squaring stroke	mm	2250 ÷ 3200	2250 ÷ 3200
Max. spindle length	mm	125	125
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)
Find the complete technical specification at page 24			



Saw Unit Squaring Fence immediate control







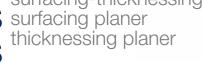
Controls on Carriage high-tech devices



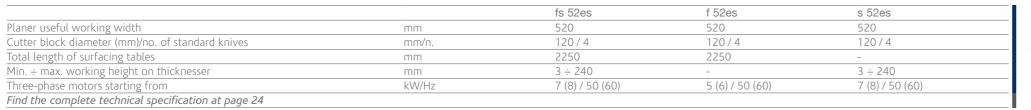


Technology and professional performances in the woodworking combined machines, for an unmatchable working precision.

elite s planers fs 52es f 52es surfacing-thicknessing planer surfacing planer surfacing planer









Planer Cutter Block perfect finishing



Thicknessing Table stability over time





Xylent absolute silence



Planing Fence absolute rigidity

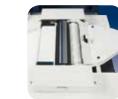


Professional planers at an accessible price, for woodworking shops and demanding craftsmen that require high standard and no compromises. elite s
planers
fs 41es
f 41es surfacing-thicknessing planer
s 41es thicknessing planer
s 41es



		fs 41es	f 41es	s 41es
Planer useful working width	mm	410	410	410
Cutter block diameter (mm)/no. of standard knives	mm/n.	95 / 4	95 / 4	95 / 4
Total length of surfacing tables	mm	2200	2200	-
Min. ÷ max. working height on thicknesser	mm	3 ÷ 240	-	3 ÷ 240
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)	5 (6) / 50 (60)
Find the complete technical specification at page 24				





Planer Cutter Block perfect finishing



Thicknessing Table stability over time Planing Fence absolute rigidity





Professional planers at an accessible price, for woodworking shops and demanding craftsmen that require high standard and no compromises.



		si 400es	si 315es
Max. saw blade diameter with installed scoring unit	mm	400	315
Max. saw blade projection from the table at 90°/45°	mm	138 / 98	101 / 71
Cutting width on parallel fence	mm	1270	1270
Squaring stroke	mm	2600 ÷ 3200	2600 ÷ 3200
Three-phase motors power starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)
Find the complete technical specification at page 24			



Saw Unit unique worldwide



Powered Movements rapidity and precision



Squaring Fence immediate control



Controls on Carriage high-tech devices



Sliding Carriage unrivalled cutting finishing



Professional circular saws with tilting blade for uncompromising quality.

elite s spindle moulders tw 55es with fixed or tilting spinale t 55es with fixed spindle



		tw 55es	t 55es
Max. useful spindle length	mm	125	125
Max. tool diameter when profiling	mm	210 ÷ 240	210 ÷ 240
Max. tool diameter lowered under the table at 90°	mm	240	240
Max. tool diameter when tenoning	mm	320 (300 no CE)	-
Three-phase motors strarting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)
Find the complete technical specification at page 24			





Spindle Mould unsurpassed moulding



Moulder Fence high-tech devices



se Sliding Carriage tes unrivalled cutting finishing

The professional spindle moulders that allow for customization and flexibility, for woodworking shops and demanding craftsmen.



The lifting of the blade unit is done by a robust cast iron structure with dovetail system.

The rotation fulcrums of the saw unit have a 120 mm diameter and stand on steady crescent shaped rests that separate it from the base: a rigid reliable solution.

The scoring blade is adjustable from the outside without tools and allows fast and accurate positioning with no play.



high-tech devices

Controls on Carriage.
Wide range of high-tech devices to make your elite s even more powerful and personalized, like the start/stop pushbuttons for the main blade and scoring blade integrated in the sliding carriage; very useful when machining large dimensioned work pieces that prevent an easy and safe access to the main machine control panel.

immediate control

Squaring Frame and Fence.
Panel loading is easy on the large squaring frame with an idle roller at the end. The telescopic squaring fence with the inclined metric scale and two reversible stops can be used to square panels measuring 3200x3200 mm and for tilted cuts at up to 45° on both sides of the frame.

20/21

elite s operating groups

absolute rigidity

Planing Fence. High rigid fence with a smooth movement thanks to the **central** locking on round bar.





stability over time

Tables Lifting.

Comfortable and precise planing. The elite's range adopt ergonomic solutions like the 2200 mm surfacing tables, in ribbed cast iron, with simultaneous opening towards the inside of the machine with a 90° angle. For a maximum long lasting stability the cast iron thicknessing table lifts on 4 spindles with trapezoidal threads dust protected.



Planer Cutter Block.

An optimal planing with minimal effort, thanks to the 95 mm diameter cutter block (120 mm in planers of 520 mm working width) and 4 knives. For an impeccable finish the pressure of the thicknesser feed rollers can be adjusted according to the type of wood machined. The roller infeed (A) has a **helicoidal profile** to guarantee firm and constant work piece feed, while the outfeed roller (B) in sandblasted steel maintains the perfect post-processing finishing.

The spindle is surrounded by a cast iron "cup" to **protect the internal** mechanical components from shavings and sawdust.



unsurpassed molulding

Spindle Moulder.

Maximum stability and rigidity in all working conditions, thanks to a large spindle moulder column made entirely of cast iron.

The 4 standard speed are ideal for any type of machining, from moulding to routing and tenoning, with the possibility to fit tools up to 320 mm of diameter (300 mm no CE).



Moulder Fence.

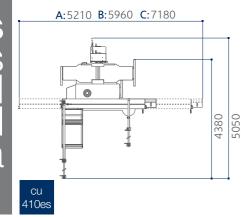
The spindle moulder hood uses a system for adjusting the guides with a rack and it is fitted with a mechanical digital readout. Thanks to the **system of memories** (on t 55es and tw 55es available as option) the hood can be removed and repositioned without losing the machining position. The maximum tool diameter mounted on the spindle lowered under the table at 90° is 240 mm. On request it is available with a spindle that tilts 45° (towards the inside of the machine).

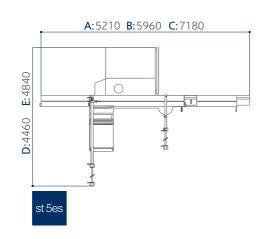


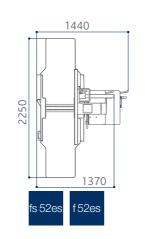


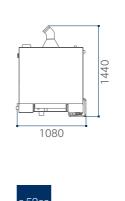


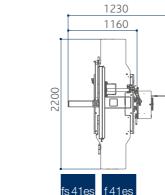
elite s dimensions and technical data

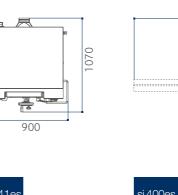


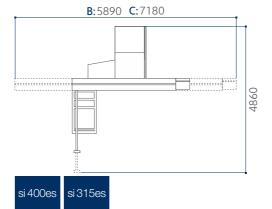


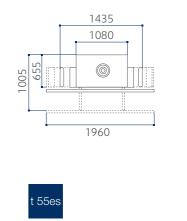


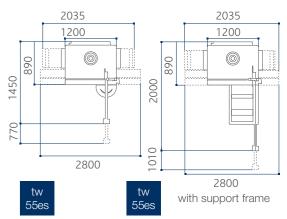












A with 2250 mm carriage
B with 2600 mm carriage
C with 3200 mm carriage
D with 900 mm cutting width *
E with 1270 mm cutting width *
*at the parallel fence

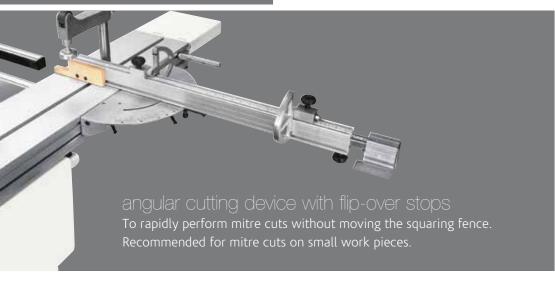
		cu 410es	st 5es	fs 52es	f 52es	s 52es	fs 41es	f 41es	s 41es	si 400es	si 315es	tw 55es	t 55es
planer													
Working width	mm	410	-	520	520	520	410	410	410	-	-	-	-
Cutter block diameter (mm)/no. of standard knives	mm/n.	95 / 4	-	120 / 4	120 / 4	120 / 4	95 / 4	95 / 4	95 / 4	-	-	-	-
Dimensions of standard knives	mm	410 x 30 x 3	-	520 x 30 x 3	520 x 30 x 3	520 x 30 x 3	410 x 30 x 3	410 x 30 x 3	410 x 30 x 3	-	-	-	-
Max. stock removal	mm	5	-	5	5	5	5	5	5	-	-	-	-
Surfacing tables total lenght	mm	2200	-	2250	2250	-	2200	2200	-	-	-	-	-
Thicknessing tables dimensions	mm	410 x 775	-	520 x 850	-	520 x 850	410 x 775	-	410 x 775	-	-	-	-
Feed speed on thicknesser	m/min	6 / 12	-	5/8/12/18	-	5/8/12/18	6/12	-	6/12	-	-	-	-
Min. ÷ max. working height on thicknesser	mm	3 ÷ 240	-	3 ÷ 240	-	3 ÷ 240	3 ÷ 240	-	3 ÷ 240	-	-	-	-
circular saw													
Cast iron saw-spindle moulder worktable dimensions	mm	1380 x 465	1380 x 465	-	-	-	-	-	-	940 x 560	940 x 560	-	-
Saw blade tilting		90° ÷ 45°	90° ÷ 45°	-	-	-	-	-	-	90° ÷ 45°	90° ÷ 45°	-	-
Max. saw blade diameter with scoring blade installed	mm	350	350	-	-	-	-	-	-	400	315	-	-
Max. saw blade projection from table at 90°/45°	mm	118 / 84	118 / 84	-	-	-	-	-	-	138 / 98	101 / 71	-	-
Squaring stroke	mm	2250 ÷ 3200	2250 ÷ 3200	-	-	-	-	-	-	2600 ÷ 3200	2600 ÷ 3200	-	-
Cutting width on parallel fence	mm	1000	900 ÷ 1270	-	-	-	-	-	-	1270	1270	-	-
spindle mouder													
Max. useful spindle lenght	mm	125	125	-	-	-	-	-	-	-	-	125	125
Spindle moulder speeds (at 50 Hz)	rpm	3500/6000/8000 /10.	.000 3500/6000/8000 /10	.000 -	-	-	-	-	-	-	-	3500/6000/8000/10	.000 3500/6000/8000/10.000
Max. tool diameter when profiling	mm	240	240	-	-	-	-	-	-	-	-	210 ÷ 240	210 ÷ 240
Max. diameter of tool lowered under the table at 90°	mm	240	240	-	-	-	-	-	-	-	-	240	240
Max. tool diameter when tenoning	mm	320 (300 no CE)	320 (300 no CE)	-	-	-	-	-	-	-	-	320 (300 no CE)	-
other technical features													
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz		S	S	-	S	-	S	S	S	S	S	S	S
Three-phase motors 7 kW (9,5 hp) 50 Hz with automatic star-delta start		0	0	S	0	S	0	-	0	0	0	0	0
Three-phase motors 9 kW (12 hp) 50 Hz - 11 kW (15 hp) 60 Hz				0		0							
with automatic star-delta start		-	-	U	-	0	-	-	-	-	-	-	
Single-phase motors 2,2 kW (3 hp) 50 Hz		-	-	-	-	-	-	-	-	-	-	0	0
Single-phase motors S1 3,6 kW (4,8 hp) 60 Hz		0	0	0	0	0	0	0	0	0	0	0	0
Exhaust outlets diameter	mm	120	120	120	120	120	120	120	120	120	120	120	120



elite s main optional devices



Drilling holes and mortises are easily carried out. It is equipped with an exhaust hood, 120 mm diameter and 16 mm chuck.



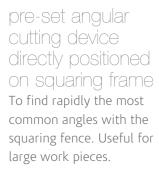


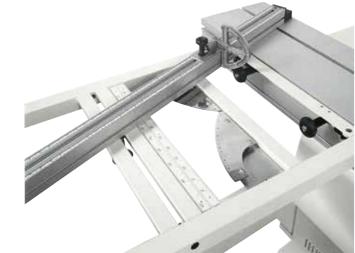


maintenance case for "Xylent" spiralknife

It consists of:

- 1 cleaning/degreasing liquid bottle for the resins cleaning
- 1 set dynamometric key
- 2 bit Torx
- 10 inserts
- 5 screws
- 1 brass bristle brush to clean the spindle with mounted in inserts
- 1 steel bristle brush to clean the inserts housings











The 3 spiralknives give an exceptional finish. Reduced noise during machining provides a more comfortable working environment. It also improves the dust extraction due to the production of very can be rotated into the cutting position when worn. Therefore, increasing the production life of the cutter block before

elite s main optional devices

self-centering chuck)-16 mm "Wescott" type

The mortiser spindles can be rapidly substituted without the necessity of adjustment.



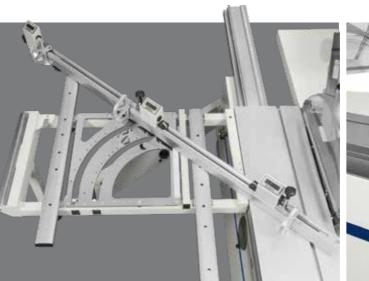


chuck with clamp

It allows harder machining thanks to the stronger bits. The chuck includes 3 clamps 5/10/16 mm.



to rapidly obtain angular cuttings with automatic self-adjustment of the stops position.



Ready 3 / programmed parallel fence positioning, available for version with 1 and 3 axes.

thicknessing table with two removable idle rollers It assists the feed for demanding pieces.





Dado set

mechanical presetting to use a tool (not included) in place of the main blade.





gital readouts

on squaring stops with micrometric adjustment





For a very quick spindle substitution. Among the spare spindle, it is available also the spindle for router bits. (B)

elite s main optional devices

tenoning table and protection hood

For the tenoning operations on the spindle moulder. It consists of:

- table
- protection hood for tools, 320 mm diameter (300 mm USA/Canada)
- exhaust hood, 120 mm diameter





This solution allows a total exclusion with other parts of the machine.

powered handling of the operating groups with digital readouts For the best precision and easy-to-use.



S Standard
O Option
* Standard for CE and USA/Canada versions

	cu 410es	st 5es	fs 52es	f 52es	s 52es	fs 41es	f 41es	s 41es	si 400es	si 315es	tw 55es	t 55es
Angular cutting device with flip-over stops	0	0	-	-	-	-	-	-	0	0	-	-
Pre-set angular cutting device directly	0	0							0	0		
positioned on squaring frame	U	U	-	-	-	-	-	-	O	O	-	-
Digital readout for the fence position on the parallel fence	-	0	-	-	-	-	-	-	0	0	-	-
Start/stop pushbuttons for the saw blade and scoring blade	0	0							0	0		
integrated in the sliding carriage	U	U	-	-	-	-	-	-	U	O	-	-
Additional table on the sliding carriage	0	0	-	-	-	-	-	-	0	0	-	-
Overhead blade protection	-	0*	-	-	-	-	-	-	0*	0	-	-
"Tersa" cutter block	0	-	0	0	0	0	0	0	-	-	-	-
"Xylent" spiralknife cutter block with 3 series of knives	0	-	0	0	0	0	0	0	-	-	-	-
Maintenance case for "Xylent" spiralknife	0	-	0	0	0	0	0	0	-	-	-	-
Cast iron mortiser	0	-	0	0	-	0	0	-	-	-	-	-
Self-centering chuck 0-16 mm "Wescott" type	0	-	0	0	-	0	0	-	-	-	-	-
Chuck with clamp	0	-	0	0	-	0	0	-	-	-	-	-
Thicknessing table with two removable idle rollers	-	-	0	-	0	-	-	-	-	-	-	-
Additional overturning fence for thin work pieces	-	-	0	0	-	0	0	-	-	-	-	-
Tenoning table and protection hood	0	0	-	-	-	-	-	-	-	-	0	-
Electric pre-setting and flip over support for feeder	0	0	-	-	-	-	-	-	-	-	0	-
Interchangeable spindle	0	0	-	-	-	-	-	-	-	-	0	0
Roller telescopic extensions for spindle moulder	-	-	-	-	-	-	-	-	-	-	0	0
Powered handling of the operating groups with digital readouts	0	0	0	-	S	0	-	0	0	0	0	-
Compex	0	0	-	-	-	-	-	-	0	0	-	-
Dado set	-	0	-	-	-	-	-	-	0	0	-	-
Digital readouts	0	0	-	-	-	-	-	-	0	0	-	-
Ready 3 / Programmed parallel fence	-	-	-	-	-	-	-	-	0	0	-	-

PROMPT AND EXPERT TECHNICAL SUPPORT THROUGH A NETWORK OF 1000 **TECHNICIANS AND AN INVENTORY** OF 36,000 SPARE PARTS.

HIGHLY SPECIALISED TECHNICIANS, EFFICIENT MANAGEMENT AND 6 SPARE PARTS BRANCHES AROUND THE WORLD GUARANTEE A CLOSE, SAFE AND EFFECTIVE TECHNICAL SUPPORT.

SERVICE

SCM provides a service that goes beyond the purchase, to | SCM Group can count on 140 spare parts professionals guarantee the long term performance of your technological production system and peace of mind for your business.

A COMPLETE RANGE OF AFTER-SALES **SERVICES**

- installation and start-up of machines, cells. lines and systems
- tailored training programs
- telephone support to reduce times and costs when machines are not working
- preventive maintenance programs to guarantee long term performance
- complete renovation of machines and plants to renew the added value of the investments
- custom upgrading to update machines and plants and meet new production requirements

SPARE PARTS

worldwide to meet any request with real time shipments.



36.000 SPARE PARTS

Our spare parts inventory, with a value of 12 million euros, covers every single machine



SPARE PARTS GUARANTEED

We guarantee also hard to find parts, with 3,5 million euros invested in "critical" spare parts.



Over 90% of orders received are carried out the same day thanks to the huge inventory available.



6 BRANCHES AROUND THE WORLD

The spare parts service can count on worldwide support (Rimini, Singapore, Shenzhen, Moscow, Atlanta, São Bento do Sul



500 SHIPMENTS A DAY





THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND

Over 65 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

65 years history

3 main production sites in Italy

300.000 square metres of production space

20.000 machines manufactured per year

90% export

20 foreign branches

400 agents and dealers

500 support technicians

500 registered patents



In SCM's DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing industrial equipment and company the world leader, manufacturing industrial equipment and company the world leader.

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINES AND COMPONENTS

INDUSTRIAL MACHINERY

Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.





TECHNOLOGIES FOR PROCESSING PLASTIC, GLASS, STONE, METAL

INDUSTRIAL COMPONENTS

Technological components for the Group's machines and systems, for those of third-parties and the machinery industry.

Ascmfonderie **4**steelmec





The motors powers in this catalogue are expressed in S6, except where otherwise specified. In this catalogue, machines are shown in CE configuration and with options. We reserve the right to modify technical specifications without prior notice, provided that such modifications do not affect safety as per CE norms.

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